



Established July 2, 1856.

VOL. XXI., NO. 3929.

HONOLULU, HAWAIIAN ISLANDS, WEDNESDAY, FEBRUARY 27, 1895.

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FROM HONOLULU TO MONTEREY

There is a Natural Lane Three Hun-
dred Miles Wide.

AT THE BOTTOM OF THE DEEP SEA.

Of the various Surveys Made for a Cable
Route That of Lieutenant Clover
Seems to be the Most Available
and Likely to be Adopted.

While public interest in the proposed cable to connect Honolulu with San Francisco is more than revived in the light of recent events, everything connected with its possible institution will be of interest, and more especially since the upper house of the American Congress has passed an appropriation of half a million dollars toward laying the first installment of it. The next steamer from the Coast will doubtless bring the joyful intelligence that the lower house has also passed the bill. Should this be so, the work by the very terms of the act must be commenced immediately. Happily there will be no delay caused in making surveys, as that has already been done, and so well that any more work in that direction would simply be wasting time and money. The bed of the Pacific ocean has been surveyed so often that its surface characteristics and general formation are pretty well known. A late San Francisco paper contains the following:

The first survey was made by Lieutenant Brooks in the schooner Fenimore Cooper in 1800. He surveyed from San Francisco to Honolulu, and found no obstacles to prevent the success of the undertaking of a cable.

The second survey was made by Captain (now Admiral) George E. Belknap in the United States ship Tuscarora in 1874. He first surveyed along the great northern circle route across the Pacific to Japan. On his return he surveyed to San Francisco via the Bonin Islands and Honolulu. He also found no obstacles to a cable via the Bonin Islands and Honolulu.

Afterward careful surveys were made between Hawaii and points on the California coast by the United States steamers Ranger, Thetis and Albatross.

According to all accounts the route surveyed by the Albatross under the direction of Lieutenant-Commander Richardson Clover, which terminates at Salinas Landing, in Monterey Bay, is the most available. It is the one which will undoubtedly be selected for the cable which is to come, with perhaps a slight change at this end.

At that point a submarine valley has been discovered, commencing at the mouth of what was formerly the Salinas River, and running westerly at the bottom of the sea for a few miles, furnishing a most remarkable artificial bed for laying a cable. The entire absence of rocks and the presence of deep soft mud, and sand throughout this valley seems to have prepared it for this special service of a telegraph cable.

It is shown by the report of Lieutenant Clover that for the entire distance from the California shore to the terminus near Diamond Head the ocean's bed on this route is destitute of rocks of any kind, while the bed of the most part consists of soft ooze and mud, into which a cable will sink several feet and be entirely submerged and protected.

"Our survey," reports Lieutenant Clover, "was prosecuted with all the care and accuracy that the means for modern deep sea research afford, and it is believed that the maps and observations present a good knowledge of the route and establish the fact that the laying of a cable on almost any line between California and the Hawaiian Islands is practicable."

"A lane about 300 miles wide was developed between California and Hawaii, and the results seem to indicate the most favorable route to be a rhumb line between Monterey Bay and Honolulu. This route has been determined upon as the most practicable, since it is the one that will require a minimum length of cable in passing over an even bottom, consisting of soft ooze which is favorable for its protection and preservation, avoiding submarine mountains and volcanic regions where subterranean eruptions or injurious chemical action on the covering of the cable are likely to exist, and where future convulsions may cause its destruction."

Under this report everything is favorable to the laying of a cable in a direct line from Oahu to this coast, a distance of 2068 miles on an ocean bed specially prepared by nature for the purpose. Its cost, too, would be at least \$500,000 less than by constructing a cable by way of Vancouver.

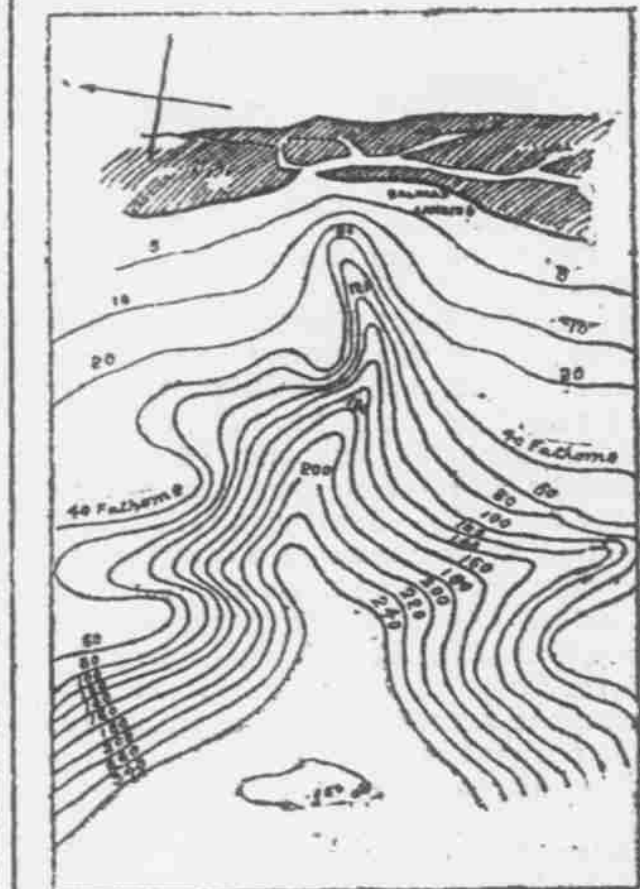
The plan of the survey made by

Lieutenant Clover is detailed at length in his report and it is interesting.

"Soundings were taken in general at alternate intervals of ten and two miles, along great circles of the earth between Salinas Landing and Honolulu and between Point Conception and Hilo Bay, and along a rhumb line between Salinas Landing and Honolulu. At the geographic position of each sounding specimens of the bottom soil were obtained and the temperatures of the air and of the surface and the bottom of the ocean were observed. The density of the sea water at numerous stations was also noted."

Regarding the ocean-bed the lieutenant says: "Of all bottoms, those consisting of the various oozes are the best adapted for prolonging the existence of the cable in an unimpaired state, because they appear to be mostly free from the substances that have a devastating influence on the sheathing of the cable, which quickly becomes embedded in them."

Should the route recommended by Lieutenant Clover be adopted, in order to lay the end of the cable in this city it would have to be extended from Salinas Landing northward to the Farallone Islands, and from there to the mainland. It was this matter which was touched upon by Congressman Maguire in the House of Repre-



THE GULLY LEADING FROM THE DEEP SEA TO SALINAS.

sentatives in stating that he would like to see the cable laid direct from San Francisco via the Farallones. He spoke of the benefits which would accrue to this city by adopting such a plan.

Considering the extent of the submarine valley which Lieutenant Clover refers to, there should certainly be no objection to diverting this end of the cable so that it could come direct to this city.

MR. CLEVELAND'S HOOKUP.

Chicago Board of Public Works' Report for 1893.

Probable Work of Practical Joker—Had Cleveland and Gresham's Cards Enclosed.

The valuable book purported to be a present from President Cleveland to Liliuokalani might well be taken and put in some museum as one of the curiosities of the country. The book exists, and the ex-queen is honest in her supposition that the President of the United States remembered her, but the character of the volume gives evidence that Mr. Cleveland is equally honest in denying his connection with this hookup.

Last year a cloth bound report of the Board of Public Works of Chicago for 1893 was sent to the ex-queen, and within the covers she found the cards of President Cleveland and Secretary Gresham, who were supposed to be the donors. The report undoubtedly contained much valuable information on the construction of sewers, laying of water pipe and plenty of useful instruction that could be used to advantage in a progressive monarchy. Of course, none but the recipient can tell of the hopes and aspirations which gathered in her mind as a result of this touching and thoughtful reminder that there were those still loyal to her cause. History fails to relate whether or no Mr. Nowlein used the Chicago sewer plans in laying out his scheme of attack upon the city, yet the supposition is not entirely without foundation. The politicians say its "a good joke on Grover," and the rebels that Chicago sewers are not mapped after rebellious ideas.

The HAWAIIAN GAZETTE COMPANY manufacture rubber stamps of all descriptions.

KOA ON TRIAL FOR TREASON.

Plea of Not Guilty Ordered Entered For Him.

FOURTEEN OTHERS PLEAD GUILTY.

Peter Hookano and Kanekoa Tried For
Treason at the Afternoon Session
But Refuse to Make Any Statement
In Their Own Behalf—Court Today.

It looked like a morning of rapid work for the Military Commission yesterday when seven of the first lot of natives put on trial promptly pleaded guilty to the charge of treason. An unexpected snag was struck, however, when David Koa decided that he ought not to plead guilty.

The men brought before the Court were: John Aea, Henry Rogers, Pahukoa, Kupuna, William Oili, J. Kama, J. Kukulahiwa, and David Koa.

Koa wanted to make a statement before pleading, which was allowed by the Court. He said he had been at Washington Place as a guard at times; he was not there Thursday night and knew nothing of what he was to do; was there Sunday night and had a revolver handed him which he kept and gave to the man who relieved him. "I knew nothing of an attempt to overthrow the Government." A plea of not guilty was finally entered.

Charlie Clark was called as a witness:—Was arrested for complicity in rebellion; knew David Koa, the accused; he had been a guard since the middle of 1894; arms were buried, but I don't think he knew of the guns being there; Koa was on the first watch; the guns were taken up the night of the arrest of Bush, Crick and Nawahi. After the arrest we buried them; Koa could not see the place where the arms were buried from where he stood. Guns were taken up again Thursday night of the Kakaako affair; David Koa was there; I told the men the time has come and I expected every man to do his duty. If the Government forces came we were to resist. I don't remember talking with Koa; remember Koa made complaint that he was not given a rifle instead of a revolver; I told him I had something else for him to do; I think it was understood by the men what was meant by "the time has come."

Cross examined by Koa:—You were on general duty at Washington Place; previous to Sunday there was no time when Nowlein or I had a talk with you; I don't remember saying when I handed you the arms, "Now is the time to overthrow the Republic."

William Kaee—Acted as secretary of the ex-queen at Washington Place since the overthrow; I know David Koa, he was at Washington Place as a guard on the Thursday of the Kakaako affair; I distributed the arms from the back room where they had been brought, no instructions were given by me; I talked with David Koa on both Thursday and Sunday evenings; Thursday he complained because I gave him a revolver instead of a rifle; I had no direct conversation with him about the overthrow, but it was understood among the men what they were there for; Koa had a rifle and ammunition Sunday night; David and I were talking about the ammunition; he wanted more; we understood there was to be a fight with the Government forces.

Cross-examined by Koa:—I know you talked with Charlie Clark and Nowlein, but don't know that you talked of the overthrow; you were in the house talking with them frequently.

William Bill, one of the guards at Washington Place, was called as a witness:—Knew David Koa; he was a guard; I was on the first watch with him; I was on guard the night of the Kakaako affair; when I arrived the guns had already been dug up; saw Koa Sunday night; was there when the guns were distributed; I didn't know Sam Nowlein was at Diamond Head with men to attempt to overthrow the Government.

Judge Advocate asked for a recess to 1:30 p. m., that he might summon other witnesses, the case having taken an unexpected turn.

AFTERNOON SESSION.

Mauli—Was one of the guards at Washington Place; have been a guard for about a year; was there on Thursday night; that was when the guns were dug up; was on the first watch; David Koa was on the first watch; we stood guard together at the mauka gate on the P-wa side; sometimes we were separated for a little while; saw Koa there Thursday night; were relieved at midnight; a carbine was given me together with cartridges; Koa had no carbine; do not know of any gun that Kekoa had; the orders given me were to overthrow the Government; there were no other orders with respect to guarding; on Sunday night following I was there with David Koa at my old place; Koa had a gun on that night;